Philips Medical Systems

FIELD CHANGE ORDER — Service

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This FCO replaces the issue (98.0) of September 1998

OPTIMUS 50 / 65 / 80 RAD / RF

APPLIES TO:

All OPTIMUS 50 / 65 / 80 RAD / RF generators
9890 000 02001
9890 000 00871
9890 000 00661
9890 000 00851/2
9890 000 00881
9890 000 00862
all Optimus generators up to and including
serial numbers
970218 - 970220 970223 - 970340
970361 - 970442 970444 - 970446
970447 - 970763
971002 - 971130
972601 - 972632
980007 - 980445
982001 - 982186
982601 - 982700 982998 + 982999

TITLE:

Upgrade of Release 3.x Optimus generators to Release 3.3

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LIST OF PAGES & DRAWINGS:

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INTRODUCTION:

Symptom :
- 00B5 desk lookup
- 00CQ during system turn on
- no APR backups possible via APRMAN or XRG-Scope
- release of fuse F3 on mA-control PCB
- error combinations
  00CD - 08CF
  00CX - 08CY
  00CF - 08CY
- erros
  00CD, 00CY, 00CQ, 08CY
- errors during the switch - on phase
  00XI - 00M3

Cause : Interferences and software instabilities can lead to different problems.

Remedy : Release upgrade to release 3.3 including additional interference suppression activities.

MANPOWER / TIME TO COMPLETE:

1 engineer 3.5 hours

TOOLS & TEST EQUIPMENT:

- 3 + 4 mm Allan keys
- 10 mm open-end wrench
- low watt soldering iron with **fine tip**
- service PC with hardkey and mouse
- flash light
- PLCC extraction tool AMP 822154-1
  2422 487 89772
- standard tools

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MODIFICATION KIT / PARTS REQUIRED:

For all generators mentioned under APPLIES TO, the following parts can be ordered at SSA Hamburg.

4512 104 39893 Upgrade kit OPTIMUS rel. 3.3

comprising:

4512 113 20524	Eprom Human Interface
4512 104 39901	EZX45W_X52 CAN Termination plug
2022 333 00024	MKP-KO 33N/10% 1000V
4512 104 90531	Cabel extension SYSTEM CAN EZ X43
0322 042 00015	Wire for N5:23 - N5:26
4512 116 02203	"Service Disk A"
4512 984 08482	SERV.MAN.UPGR.KIT

Note:
The modification kit will be available Free Of Charge till the end March 1999 at the spare part centre in Hamburg. Please refer to the generator serial number when ordering the modification kit.

PROCEDURE:

- Exchange of firmware Eprom in Human Interface.
- Software Upload Release 3.3 into CU PCB
- Installation of a short circuit in Rotor Control HS unit.
- Installation of CAN extension cable.

Detailed instruction manual supplied with the upgrade kit.

PARTS DISPOSAL:

All parts are to be disposed of in a safe way in accordance with local Safety Regulations.

DOCUMENTATION:

File this FCO and the Upgrade instruction manual in binder: OPTIMUS under Tab 8

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FCO ACTION NOTIFICATION REPORT
For local SSD use only; do not return to PMG.

TITLE : *Upgrade of Release 3.x Optimus generators to Release 3.3*	
CLASSIFICATION : ***Action for Performance***	FCO REF. NO.: ***00 135 006***
APPLIES TO : ***All OPTIMUS 50 / 65 / 80 RAD / RF generators***	

HOSPITAL / ADDRESS :

LOCATION / FW SITE NO.:	SALES ORDER NO. / OA NO.:

PRODUCT NUMBER : | | | | | | | | | | | | |

UNIT SERIAL NUMBER : | |

ACTION ON THIS UNIT WAS: (select one) JOB NO. / SERVICE INCIDENT NO.:

☐ Completed per instruction on _____ DATE | |

☐ Completed by the factory prior to delivery.

☐ Not completed as this unit is not affected per instruction because: (state reason)

_____

☐ Not completed because customer has unit in storage.
Required parts & instructions received by the customer.

CUSTOMER ACKNOWLEDGEMENT (Required for **MANDATORY ACTIONS** only).

The **REASON and PURPOSE** of this modification have been explained to me.

_____ CUSTOMER NAME (PLEASE PRINT)

_____ TITLE

_____ CUSTOMER SIGNATURE

_____ DATE

BRANCH
REGION /
DEALER : _____

SERVICE UNIT /
SERVICE AREA NO.: _____

_____ SIGNATURE CUSTOMER SUPPORT ENGINEER

_____ DATE

_____ SIGNATURE CUSTOMER SUPPORT MANAGER

MAIL TO : SSD Customer Support Manager

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